

GCEP 2001

End-Of-Summer Workshop

Environmental and Molecular Sciences Laboratory (EMSL) User Housing Facility

August 18-21, 2001

A G E N D A

August 18, 2001 - Saturday

12:00 - 6:00 p.m. SURE and GREF Registration User Housing Facility

EVENING SESSION User Housing Facility

7:00 p.m. Greetings and Introductions

Milton Constantin
Oak Ridge Institute for Science and Education
Jeffrey Gaffney
Argonne National Laboratory
Teresa Zinn
Pacific Northwest National Laboratory

7:30 p.m. Dinner (your choice) Columbia Mall
Kinnewick, WA

8:30 p.m. Return to User Housing Facility

End-Of-Summer Workshop

August 19, 2001 – Sunday

Environmental and Molecular Laboratory (EMSL)

Sessions held in locations noted

7:00 – 8:00 a.m.	Continental Breakfast	Room 1075
8:00 – 10:00 a.m.	Poster Set-up for SURE Fellows	Lobby, Hallway and Room 1075
10:00	Break	
10:30 – 11:00	Introduction of Poster Presentation – SURE Laura Alvarez-Aviles Gabrielle Dreyfus David Dunston Jason Fults Erin Hanlon Neiza Hernandez Fara Ilami John Iorio David Loehlin	Room 1077
11:00 – 1:00 p.m.	First SURE Group Poster Presentations & Box Lunch	Lobby, Hallway and Room 1075
1:00 – 1:30 p.m.	Introduction of Poster Presentation – SURE/GREF Claire Lunch Monica Martinez Heidi Ochsner Cynthia Randles Sarah Reed Victor Rodriguez Tiffany Steadham Brent Williams GREF Presentations Lisa Ainsworth Heidi Bialk Julia Liao Erika Marin-Spiotta	Room 1077

End-Of-Summer Workshop

August 19, 2001 – Sunday

Sessions held in locations noted

- 1:30 – 3:30 p.m. Second SURE/GREF Group Presentations **Lobby, Hallway and Room 1075**
- 3:30 p.m. Afternoon Break
- 4:00 – 5:50 p.m. GREF Fellows' Stand-up Presentations **Room 1077**
- 4:00 p.m. *Modeling Past and Forecasting Future Deforestation in the Southern Yucatan Region of Mexico: Advancing Methods for Estimation of The Greenhouse Gas Benefits of Land Use Projects*
Christopher Busch
University of California-Berkeley
- 4:15 p.m. *Using Tree-Rings to Study Historical Growth and Climate Relationships: Insights for the Future*
Neil Pederson
Columbia University, Lamont-Doherty Earth Observatory
- 4:30 p.m. *Tropospheric Ozone Production as Influenced by Solar Irradiance*
Shelby Winiecki
University of Chicago
- 4:45 p.m. *Predicting the Effect of Climate Change on a Marine Snail*
Sarah Gilman
University of California – Davis
- 5:00 p.m. *Quantifying Natural Climate Change: Reconstructing Holocene Thermocline Variation in the Tropical Atlantic*
Christina Farmer
Columbia University, Lamont Doherty Earth Observatory
- 5:15 p.m. *Aqueous Phase Production of Ethyl Nitrate*
Elizabeth Dahl
University of California - Irvine
- 5:30 p.m. Adjourn
- 7:00 p.m. Dinner (your choice) Columbia Mall
Kinnewick, WA

End-Of-Summer Workshop

August 20, 2001 - Monday

7:30 – 8:15 a.m. Breakfast (on your own)

PNNL Cafeteria

Sessions held in EMSL Room 1077

8:30 – 9:00 a.m. Welcome to Pacific Northwest National Laboratory
Comments

Bill Rogers
Milton Constantin
Jeffrey Gaffney

9:30 – 10:00 a.m. *Time-resolved Observation of Heterogenous Chemistry in Individual Atmospheric Particles*

Alexander Laskin
Pacific Northwest National Laboratory

10:00 – 10:30 a.m. *Modeling the Global Aerosol Distribution and its Impact on the Planetary Energy Balance*

Steven Ghan
Pacific Northwest National Laboratory

10:30 Break

11:00 – noon *Urban to Regional Scale Air Quality Modeling*

Jerome Fast
Pacific Northwest National Laboratory

12:00 – 12:30 *Ozone Production Efficiency in the Nashville Urban Plume*

Carl Berkowitz
Pacific Northwest National Laboratory

12:30 p.m. Lunch (on your own)

PNNL Cafeteria

1:30 – 2:45 p.m. Tour of EMSL Facility

Steven Colson
Pacific Northwest National Laboratory

2:45 – 3:15 p.m. *Evolution of the Nocturnal Atmospheric Boundary Layer Over a Columbia Basin Vineyard*

David Whiteman, Pacific Northwest National Laboratory
Gavin McMeeking, University of California – Berkeley
Craig Clements, University of British Columbia, Vancouver, BC
Stuart Powell, Wellington, New Zealand

End-Of-Summer Workshop

August 20, 2001 - Monday

Sessions held in EMSL Room 1077

3:15 – 3:30 p.m. ***“Potential Ecosystem Change in the North Atlantic Under Greenhouse Gas Increase and Thermohaline Circulation Collapse”***

Paul Higgins
Stanford University

3:30 p.m.	Break
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4:00 – 4:15 p.m. *The Response of Soil Carbon Efflux to Climate and Forest Type
Along an Elevational Gradient in the Rocky Mountains* Lara Kueppers
University of California - Berkeley

4:15 – 4:30 p.m. *Radiocarbon Variability in the Western Equatorial Indian Ocean
Inferred from a Coral Record*

Nancy Grumet
Stanford University

4:30 – 4:45 p.m. *Integrated Assessment of Abrupt Climate Changes* Michael Mastrandrea
Stanford University

Adjourn

6:00 – 9:00 p.m. ***FINAL WORKING SESSION*** ***EMSL Room 1075***
Food and Beverages

Keynote Speaker: **Jeffrey Gaffney**
Argonne National Laboratory

Air Quality and Global Change: Are We Winning the Battle?

Closing Comments

Milton Constantin
Oak Ridge Institute for Science & Education

End-Of-Summer Workshop

August 21, 2001 - Tuesday

7:00 a.m.

Breakfast (on your own)

PNNL Cafeteria

FELLOWS DEPART FOR HOME

FAREWELL

SEE YOU
AGAIN
SUMMER 2002